

## Product datasheet for **AM06748PU-N**

### HSF4 Mouse Monoclonal Antibody [Clone ID: 2E7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2E7
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human HSF4 expressed in E. Coli.
Specificity:	Recognizes HSF4
Formulation:	PBS State: Purified State: Liquid purified antibody Stabilizer: 0.5% protein stabilizer Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53 kDa
Gene Name:	heat shock transcription factor 4
Database Link:	<a href="#">Entrez Gene 3299 Human Q9ULV5</a>



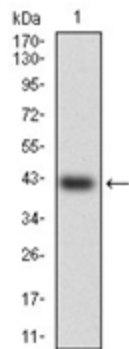
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**Background:**

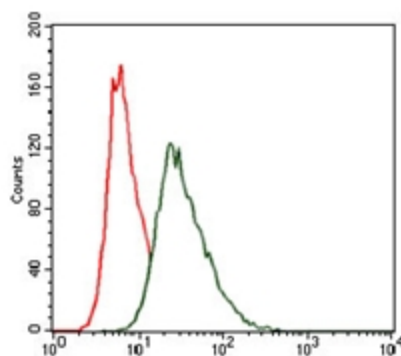
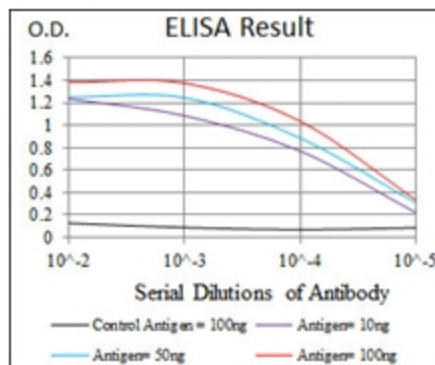
Heat-shock transcription factors (HSFs) activate heat-shock response genes under conditions of heat or other stresses. HSF4 lacks the carboxyl-terminal hydrophobic repeat which is shared among all vertebrate HSFs and has been suggested to be involved in the negative regulation of DNA binding activity. Two alternatively spliced transcripts encoding distinct isoforms and possessing different transcriptional activity have been described.

**Synonyms:**

HSF-4, HSTF4

**Product images:**


Western blot analysis using HSF4 antibody against human HSF4 (AA: 245-411) recombinant protein (Expected MW is 42.9 kDa).



Flow Cytometric analysis of HeLa cells using HSF4 antibody (green) and negative control (red).